

**UTAH CTE SKILL CERTIFICATION
SUMMARY SCORE SHEET
BIOTECHNOLOGY - TEST # 708**

The performance evaluation **is a required component of the skill certification process**. Each student must be evaluated on the required performance objectives. Performance objectives may be completed and evaluated anytime during the course.

- Students should be aware of their progress throughout the course, so that they can concentrate on the objectives that need improvement.
- Students should be encouraged to repeat the performance objectives until they have performed at a minimum of a number 3 or 4 on the rating scale (**moderately to highly skilled level**).

4 = highly skilled ⇒ Successfully demonstrated without supervision

3 = moderately skilled ⇒ Successfully demonstrated with limited supervision

2 = limited skill ⇒ Demonstrated with close supervision

1 = not skilled ⇒ Demonstration requires direct instruction and supervision

(0 = no exposure)

- When a performance objective has been achieved at a minimum of 80% (moderately to highly skilled level), “**Y**” (**Y=YES**) is recorded on the Summary Score Sheet. If a student **does not** achieve a 3 or a 4 (moderately to highly skilled level), then “**N**” (**N=NO**) is recorded on the Summary Score Sheet for that objective.
- All performance objectives **MUST** be completed and evaluated **prior to the written test**.
- The teacher will bubble in “**A**” on the answer sheet for item **#81** for students who have achieved “**Y**” on **ALL performance objectives**.
- The teacher will bubble in “**B**” on the answer sheet for item **#81** for students who have **ONE or more "N's"** on the performance objectives.
- The signed Summary Score Sheet(s) **MUST** be kept in the teachers’ file for two years.
- A copy is also kept on file with the school’s CTE skill certification testing coordinator for two years.

Students who achieve a 3 or a 4 (moderately to highly skilled) on **ALL** performance objectives and 80% on the written test will be issued a CTE skill certificate.

OBJECTIVES

THE REQUIRED PERFORMANCE OBJECTIVES ARE:

01.02	Research and present biotechnology concepts using effective communication skills.
02.02	Demonstrate proper aseptic/sterilizing techniques.
03.02	Maintain accurate records and documentation by reporting relevant data in order of occurrence.
03.04	Demonstrate proper use and handling of pipettes.
04.04	Prepare solutions of defined concentrations and pH.
06.01	Prepare bacterial growth media.
06.02	Demonstrate the ability to culture and maintain microorganisms.
07.01	Perform and analyze DNA gel electrophoresis.
07.02	Demonstrate the ability to use proper separation techniques to differentiate between proteins based on size and structure (chromatography and SDS-PAGE).
08.01	Perform a transformation and analyze results.
08.02	Purify plasmid DNA and analyze results.

Teacher's Signature _____

School _____ **Teacher's Name (print)** _____ **Date** _____ **Period** _____

Copies of this sheet must be kept on file at the school for TWO years, by the teacher, and the school CTE testing coordinator.

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